



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE  
(Case No. 00-011)

PATENT

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6-7-02

In the Application of:

David A. Grabelsky et al.

Before the Examiner: TBA

Serial No.

09/584,516

Group Art Unit: 2755

Filed:

May 31, 2000

For: Method for Address Mapping in a Network  
Access System and a Network Access Device  
For Use Therewith

TRANSMITTAL LETTER

Commissioner for Patents  
Washington, D.C. 20231

Dear Sir:

In regard to the above identified application,

1. We are transmitting herewith the attached:


- a) Information Disclosure Statement Letter;
- b) Information Disclosure Statement Form PTO-1449;
- c) 117 Cited References; and
- d) Postcard.

2. With respect to fees:

- a) No fee is required.
- b) Please charge any underpayment or credit any overpayment our Deposit Account, No. 13-2490.

3. CERTIFICATE OF MAILING UNDER 37 CFR § 1.8: The undersigned hereby certifies that this Transmittal Letter and the paper, as described in paragraph 1, are being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to Commissioner for Patents, Washington, D.C. 20231 on May 29, 2002.

By:

  
S. Richard Carden  
Reg. No. 44,588

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INFORMATION DISCLOSURE STATEMENT

Dear Sir:

Pursuant to the duty of disclosure provided by 35 C.F.R. § 1.56 and §§ 1.97-98, the applicants wish to make the following references of record in the above-identified application. Copies of the references are enclosed. Copies are also listed in the PTO-1449 form enclosed herewith. It is requested that each document cited (including any cited in applicant's specification which is not repeated on the attached Form PTO-1449) be given thorough consideration and that it be cited of record in the prosecution history of the present application by initialing on Form PTO-1449. Such initialing is requested even if the Examiner does not consider a cited document to be sufficiently pertinent to use in a rejection, or otherwise does not consider it to be prior art for any reason, or even if the Examiner does not believe that the guidelines for citation have been fully complied with. This is requested so that each document becomes listed on the face of the patent issuing on the present application.

Portions of the references may be material to the examination of the pending claims, however no such admission is intended. 37 C.F.R. 1.97 (h). The references have not been reviewed in sufficient detail to make any other representation and, in particular, no representation is intended as to the relative

importance of any portion of the references. This Statement is not a representation that the cited references have effective dates early enough to be "prior art" within the meaning of 35 U.S.C. sections 102 or 103.



# CITED REFERENCES

## U.S. Patent Documents

Document No.	Date	Name	Class	Sub-Class	Filing Date
5,793,763	08-11-98	Mayes et al.	370	389	11-03-95
5,636,216	06-03-97	Fox et al.	370	402	04-08-94
5,227,778	07-13-93	Vacon et al.	340	825.52	04-05-91
5,550,984	08-27-96	Gelb	395	200.17	12-07-94
5,867,660	02-02-99	Schmidt et al.	395	200.57	05-11-95
5,872,847	02-16-99	Boyle et al.	380	25	07-30-96
5,812,819	09-22-98	Rodwin et al.	395	500	06-05-95
5,708,655	01-13-98	Toth et al.	370	313	06-14-96
5,159,592	10-27-92	Perkins	370	85.7	10-29-90
6,055,236	4-25-00	Nessett et al.	370	389	03-17-99
6,011,782	01-04-00	DeSimone et al.	370	260	05-08-97
5,526,489	06-11-96	Nilakantan et al.	395	200.02	03-19-93
5,889,774	03-30-99	Mirashrafi et al.	370	352	03-14-97
5,737,333	04-07-98	Civanlar et al.	370	352	06-23-95
5,654,957	08-05-97	Koyama	370	355	05-09-95
5,604,737	02-18-97	Iwami et al.	370	352	12-13-94
5,867,495	02-02-99	Elliott et al.	370	352	11-18-96
5,526,353	06-11-96	Henley et al.	370	60.1	12-20-94
5,742,596	04-21-98	Baratz et al.	370	356	12-14-95
5,950,195	09-07-99	Stockwell et al.	707	4	09-18-96
6,079,021	06-20-00	Abadi et al.	713	202	06-02-97
6,134,591	10-17-00	Nickles	709	229	06-18-97
5,933,778	08-03-99	Buhrmann et al.	455	461	06-04-96

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**Document****Sub-**

<b>No.</b>	<b>Date</b>	<b>Name</b>	<b>Class</b>	<b>Class</b>	<b>Filing Date</b>
5,915,008	06-22-99	Dulman	379	201	10-04-05
5,606,594	02-25-97	Register et al.	379	58	01-27-94
5,497,339	03-05-96	Bernard	364	705.5	08-02-94
4,953,198	08-28-90	Daly et al.	379	61	07-05-89
6,055,561	04-25-00	Feldman et al.	709	200	09-30-97
6,104,711	08-15-00	Voit	370	352	03-06-97
6,101,543	08-08-00	Alden et al.	709	229	10-25-96
5,892,924	04-06-99	Lyon et al.	395	200.75	01-31-96
6,058,421	05-02-00	Fijolek et al.	709	225	02-04-98
6,115,751	09-05-00	Tam et al.	709	240	04-10-97
6,195,705	02-27-01	Leung	709	245	06-30-98
6,266,707	07-24-01	Boden et al.	709	245	08-17-98
6,101,189	08-08-00	Tsuruoka	370	401	09-18-97
6,137,791	10-24-00	Frid et al.	370	352	03-25-97
6,157,950	12-05-00	Krishnan	709	223	12-05-97
6,353,891	03-05-02	Borella et al.	713	201	08-09-00
6,353,614	03-05-02	Borella et al.	370	389	03-05-98
6,269,099	07-31-01	Borella et al.	370	389	07-01-98
6,172,986	01-09-01	Watanuki et al.	370	466	05-07-98
5,862,331	01-19-99	Herriot	395	200.49	06-21-96
6,249,820	06-19-01	Dobbins et al.	709	238	05-06-98
6,212,563	04-03-01	Beser	709	227	10-01-98
5,835,723	11-10-98	Andrews et al.	395	200.56	12-28-95
5,754,547	05-19-98	Nakazawa	370	401	04-26-96
6,212,183	04-03-01	Wilford	370	392	08-22-97
6,185,184	02-06-01	Mattaway et al.	370	230	09-25-96
5,793,657	08-11-98	Nemoto	364	717.01	04-10-96
5,327,365	07-05-94	Fujisaki et al.	364	717	08-20-92

**RECEIVED****JUN 06 2002****Technology Center 2600****RECEIVED****JUN 04 2002****Technology Center 2100****FOREIGN DOCUMENTS**

<b>Document No.</b>	<b>Date</b>	<b>Country</b>	<b>Class</b>	<b>Subclass</b>
WO 01/31888 A1	05-03-01	PCT	H04L	29/06



RECEIVED

JUN 04 2002

Technology Center 2100

**OTHER DOCUMENTS (Including Author, Title, Data, Pertinent Pages, Etc.)**

1. G. Montene, Internet Engineering Task Force, Internet Draft, "Negotiated Address Reuse" (NAR), <draft-montenegro-aatn-nar-00.txt>, May 1998, Pgs. 1 to 22.
2. George Tsirtsis, Alan O'Neill, Internet Engineering Task Force, Internet Draft, "NAT Bypass for End 2 End 'Sensitive' Applications," <draft-tsirtsis-nat-bypass-00.txt>, January 1998, Pgs. 1 to 5.
3. George Tsirtsis, Pyda Srishuresh, Internet Engineering Task Force, Internet Draft, "Network Address Translation - Protocol Translation" (NAT-PT), <draft-ietf-ngtrans-natpt-04.txt>," January 1999, Pgs. 1 to 13.
4. Jeffrey Lo, K. Taniguchi, Internet Engineering Task Force, Internet Draft, "IP Host Network Address (and port) Translation," <draft-ietf-nat-hnat-00.txt>, November 1998, Pgs. 1 to 13.
5. Michael Borella, David Grabelsky, Ikhlaq Sidhu, Brian Petry, Internet Engineering Task Force, Internet Draft, "Distributed Network Address Translation," <draft-borella-aatn-dnat-01.txt>," October 1998, Pgs. 1 to 21.
6. P. Srisuresh, G. Tsirtsis, P. Akkiraju, A. Heffernan, Internet Engineering Task Force, Internet Draft, "DNS Extensions to Network Address Translators" (DNS\_ALG), <draft-ietf-nat-dns-alg-01.txt>, October 1998, Pgs. 1 to 24.
7. P. Srisuresh, Internet Engineering Task Force, Internet Draft "Security for IP Network Address Translator (NAT) Domains," <draft-ietf-nat-security-00.txt>, November 1998, Pgs. 1 to 11.
8. P. Srisuresh, K. Eg, Internet Engineering Task Force, Internet Draft, "The IP Network Address Translator (NAT), <draft-rfcd-info-srisuresh-05.txt>, February 1998, Pgs. 1 to 24.
9. P. Srisuresh, K. Egev, Internet Engineering Task Force, Internet Draft, "Traditional IP Network Address Translator (Traditional NAT)," <draft-ietf-nat-traditional-01.txt>, October 1998, Pgs. 1 to 17.
10. P. Srisuresh, Matt Holdrege, Internet Engineering Task Force, Internet Draft, "IP Network Address Translator (NAT) Terminology and Considerations," <draft-ietf-nat-terminology-01.txt>, October 1998, Pgs. 1 to 28.
11. Praveen Akkiraju, Yakov Rekhter, Internet Engineering Task Force, Internet Draft, "A Multihoming Solution Using NATs" <draft-akkiraju-nat-multihoming-00.txt>, November 1998, Pgs. 1 to 32.
12. R. G. Moskowitz, Internet Engineering Task Force, Internet Draft, "Network Address Translation Issues with IPsec," <draft-moskowitz-net66-vpn-00.txt>, February 6, 1998, Pg. 1 to 8.
13. R. Thay, N. Doraswa and R. Gle, Internet Engineering Task Force, Internet Draft "IP Security," <draft-ietf-ipsec-doc-roadmap-02.txt>," November 1997, Pgs. 1 to 12.
14. T. Hain, Internet Engineering Task Force, Internet Draft, "Architectural Implications of NAT," <draft-iab-nat-implications-02.txt>, October 1998, Pgs. 1 to 14.
15. W.T. Teo, S.W. Yeow, R. Singh, Internet Engineering Task Force, Internet Draft, "IP Relocation Through Twice Network Address Translators," <draft-ietf-nat-rnat-00.txt>," February 1999, Pgs. 1 to 20.
16. W.T. Teo, S.W. Yeow, R. Singh, Internet Engineering Task Force, Internet Draft, "Reverse Twice Network Address Translators" (RAT)," <draft-teoyeow-mip-rat-01.txt>," December 1998, Pgs. 1 to 20.
17. W.T. Teo, Y. Li, Internet Engineering Task Force, Internet Draft, "Mobile IP Extension for Private Internets Support," <draft-teoyli-mobileip-mvpn-02.txt>, February 1999, Pgs. 1 to 24.
18. Yakov Rekhter, Internet Engineering Task Force, Internet Draft, "Implications of NATs on the TCP/IP Architecture," <draft-ietf-nat-arch-implications-00.txt>, February 1999, Pgs. 1 to 7.
19. K. Egevang, and P. Francis, Internet Engineering Task Force, ("IETF"), Request for Comments ("RFC") RFC-1631, "The IP Network Address Translator (NAT)", May 1994, Pages 1 - 10.
20. Borella, Michael, *Technology Update - Protocol Helps Stretch IPv4 Addresses*, "Network World", Volume 17, No. 3, January 17, 2000, p. 43.
21. Kent, Stephen, *Evaluating Certification Authority Security*, Aerospace Conference, 1998 IEEE, Online, Vol. 4, pp. 319-327 (March 21-23, 1998).
22. Thayer, Rodney, *Bulletproof IP With Authentication and Encryption IPsec Adds a Layer of Armor to IP*, Data Communications, Vol. 26, No. 16, pp. 55-58, 60 (November 21, 1997)

Technology Center 2600

JUN 06 2002

RECEIVED



23. Borella, M., Grabelsky, D., Lo, J., Tuniguchi, K., Internet Engineering Task Force, Internet Draft, "Realm Specific IP: Protocol Specification <draft-ietf-nat-rsip-protocol-.06.txt>", March 2000, Pgs. 1-48.
24. Borella, M., Grabelsky, D., Lo, J., Tuniguchi, K., Internet Engineering Task Force, Internet Draft, "Realm Specific IP: Protocol Specification <draft-ietf-nat-rsip-protocol-.07.txt>", July 2000, Pgs. 1-49.
25. Montenegro, G., Internet Engineering Task Force, Internet Draft, "RSIP Support for End-to-End IPsec," <draft-ietf-nat-rsip-ipsec-04.txt>, July 2000, Pgs. 1 to 17.
26. Borella, M., Lo, J., Grabelsky, D., Montenegro, G., Internet Engineering Task Force, Internet Draft, "Realm Specific IP: Framework <draft-ietf-nat-rsip-framework-.05.txt>", July 2000, Pgs. 1-30.
27. Borella, M., Montenegro, G., *RSIP: Address Sharing with End-To-End Security*, USENIX Conference, San Francisco, California, March 9, 2000, pgs. 1-9.
28. Handley, M., et al. *SIP: Session Initiation Protocol*, Network Working Group, Request for Comments 2543, March 1999, Pgs. 1 to 153.
29. ITU-T Recommendation H.225.0, *Call Signaling Protocols and Media Stream Packetization for Packet-Based Multimedia Communication Systems*, Series H: Audiovisual and Multimedia Systems – Infrastructure of Audiovisual Services – Transmission Multiplexing and Synchronization, (February, 1998)
30. ITU-T Recommendation H.323, *Packet-Based Multimedia Communications Systems*, Series H: Audiovisual and Multimedia Systems – Infrastructure of Audiovisual Services – Systems and Terminal Equipment for Audiovisual Services, (February, 1998)
31. McCanne et al., "The BSD Packet Filter: A New Architecture for User-Level Packet Capture," Proceedings of the 1993 Winter USENIX Technical Conference (Jan. 1993)
32. Postel, J., *User Datagram Protocol*, Request for Comments 768, August 1980, pgs. 1 to 3.
33. Postel, J., *Internet Protocol*, Request for Comments 791, September 1981, pgs. 1 to 45.
34. Postel J., *Internet Control Message Protocol*, Request for Comments 792, September 1981, pgs. 1 to 2.
35. Postel, J., *Transmission Control Protocol*, Request for Comments 793, September 1981, pgs. 1 to 84.
36. Postel, J., *File Transfer Protocol (FTP)*, Request for Comments 959, October 1985, pgs. 1 to 69.
37. Jacobson, V., *TCP Extensions for High Performance*, Request for Comments 1323, May 1992, pgs. 1 to 10.
38. Droms, R., *Dynamic Host Configuration Protocol*, Request for Comments 2131, March 1997, pgs. 1 to 45.
39. Stevens, W., *Advanced Sockets API for IPv6*, Request for Comments 2292, February 1998, pgs. 1 to 67.
40. Gilligan, R. et al., *Basic Socket Interface Extensions for IPv6*, Request for Comments 2553, March 1999, pgs. 1 to 41.
41. Srisuresh, P., et al., *IP Network Address Translator (NAT) Terminology and Considerations*, Request for Comments 2663, August 1999, Pgs. 1 to 30.
42. Maurice J. Bach, *The Design of the Unix Operating System*, Prentice Hall Software Series, 1986, pages 382-390.
43. "Cisco IOS Release 12.0 Network Protocols Configuration Guide, Part 1", Configuring IP Addressing, Cisco Systems, 1998, pages P1C-7 to P1C-58.
44. Durand, Alain, *Deploying Ipv6*, IEEE INTERNET COMPUTING, <http://computer.org/internet>, January-February 2001, pgs. 79 – 81.
45. 3COM SIP Solutions 1.0 benefits brochure. (4 total pages)
46. Sidhu, Ikhlq and Bezaitis, Andrew, Eat or be eaten, [www.americasnetwork.com/issues/99issues/991101/991191\\_eat.htm](http://www.americasnetwork.com/issues/99issues/991101/991191_eat.htm), printed 5/10/00. (6 total pages)
47. Myers, Brad A.; Stiel, Herb; and Gargiulo, Robert, *Collaboration Using Multiple PDAs Connected to a PC*, Proceedings of the ACM 1998 conference on Computer supported cooperative work, November 14-18, 1998, Seattle, WA. (total 11 pages)

RECEIVED  
JUN 06 2002

Technology Center 2680

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JUN 04 2002

Technology Center 2108



48. Dalgic, Ismail; Borella, Michael; Dean, Rick; Grabiec, Jacek; Mahler, Jerry; Schuster, Guido; and Sidhu, Ikhlaiq, True Number Portability and Advanced Call Screening in a SIP-Based IP Telephony System, *IEEE Communications Magazine*, Vol. 37, No. 7, July 1999, pp. 96-101. (8 total pages)
49. Handley/Schulzrinne/Schooler/Rosenberg, SIP: Session Initiation Protocol, Internet Engineering Task Force, draft-ietf-sip-rfc2543bis-02.ps. September 4, 2000. (131 pages)
50. Borella, M., Lo, J., Grabelsky, D., Montenegro, G., IETF Proceedings presentation, "Realm Specific IP: Protocol Specification <draft-nat-rsip-protocol-00.txt>," 4/9/99 (13 pages).
51. Marsan, Carolyn Duffy, The Next Best Things to Ipv6? Network World Fusion at <http://www.nbwfusion.com/news/1999/0920ipv6.html>, March 29, 2000, pgs 1-3.
52. Borella, M., Lo, J., Grabelsky, D., Montenegro, G., Internet Engineering Task Force, Internet Draft, "Realm Specific IP: Framework <draft-ietf-nat-rsip-framework-.04.txt>," March 2000, Pgs. 1-30.
53. IETF March 1999 Proceedings, 2.7.10 Network Address Translators (nat), pgs. 1-13.
54. Rosenberg, Jonathan D. and Shockey, Richard, The Session Initiation Protocol (SIP): A Key Component for Internet Telephony, ComputerTelephony.com, June 2000, pages 124-139.
55. Fenner, W., *Internet Group Management Protocol Version 2*, RFC 2236, November 1997, pgs. 1-24.
56. Mogul, J. et al., "Internet Standard Subnetting Procedure", RFC 950, August, 1985, pgs. 1-18.
57. Schulzrinne et al., "RTP: A Transport Protocol for Real-Time Applications", RFC 1889, pgs. 1-75.
58. Privat, Jermone, "Double Phase DHCP Configuration", <draft-privat-dhc-doublephase-01.txt>, Internet Engineering Task Force, September 1999, pgs. 1-4.
59. Maughan, D. et al., "Internet Security Association and Key Management Protocol", RFC 2408, November 1998, pgs. 1-86.
60. Karn, P., "Photuris Session-Key Management Protocol", RFC 2522, March 1999, pgs. 1-58.
61. "Random Number Generators", Computational Science Education Project, 1991, 1992, 1993, 1994 and 1995.
62. Foster, Ian, "10 Random Numbers", 1995.
63. Borella, Michael et al., "Realm Specific IP: Protocol Specification", <draft-ietf-nat-rsip-protocol-02.txt>, Internet Draft, August 1999, pgs. 1-27.
64. Gilligan, R. et al., "Transition Mechanisms for IPv6 Hosts and Routers", RFC 1933, April 1996, pgs. 1-22.
65. Afifi, H. et al., "Method for IPv4-IPv6 Transition", Proceedings IEEE International Symposium on Computers and Communications, July 6-8, 1999, pgs. 478-484.

Respectfully submitted,

Date: 28 May 2002

By: 

S. Richard Carden  
Registration No. 44,588

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